



सत्यमेव जयते

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Separate paging is given to this Part in order that it may be filed as a separate compilation

## PART III—SECTION 2

### Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

##### Patents and Designs

Calcutta, the 18th July 1964

##### Special Notice

The following Groups of Abridgments of Patent Specifications have been published and copies thereof are available for sale at the Counter of the Government of India Book Depot, 8, Hastings Street, Calcutta at Rs. 2.00 per copy.

##### GROUP I

(Containing Abridgments of Patent Specifications between Nos. 40,001 to 50,000)—Agriculture.

##### GROUP VII

(Containing Abridgments of Patent Specifications between Nos. 40,001 to 50,000)—Cooling and heating.

##### GROUP XIII

Containing Abridgments of Patent Specifications between Nos. 40,001 to 50,000)—Moulding plastic and powdered substances.

##### CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated the 23rd May 1964.

In page 208 column 2 under the heading "Applications Accepted", for No. '86734' read '86724'.

##### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

27th June 1964

94444. P. R. Hansen. Revolving centre for turning and cylindrical grinding purposes.

94445. Sandoz Ltd. Improvements in or relating to organic compounds. (28th June 1963).

94446. Sandoz Ltd. Improvements in or relating to organic compounds. (28th June 1963).

94447. International Combustion (Holdings) Limited and The Phoenix Steel Tube Company Limited. Improvements in or relating to a method and apparatus for the manufacture of finned tubing. (28th June 1963).

94448. Bristol Aeroplane Plastics Limited. Improvements in laminated structures. (28th June 1963).

94449. Birfield Engineering Limited. Improvements in or relating to mounting means. (3rd July 1963). [Addition to No. 82456]

94450. Nippon Electric Company Limited. A digital circuit arrangement system.

94451. Pilkington Brothers Limited. Improvements in or relating to apparatus and methods of bending and toughening a sheet of glass. (8th July 1963).

94452. Abg-Werke Gesellschaft Mit Beschränkter Haftung. Vibratory roller.

94453. De-Luxe Cosmetics. Container for chap-stick where stick is taken out with movement of a garari.

94454. Rexall Drug and Chemical Company. Ethylene polymerization peroxide-initiator and process.

94455. Rexall Drug and Chemical Company. Chemical process.

94456. Rexall Drug and Chemical Company. Process for treating ethylene recycle streams.

94457. Rexall Drug and Chemical Company. Process for polymerization of olefins.

94458. Rexall Drug and Chemical Company. Process for controlling a chemical reaction and product properties resulting therefrom.

94459. Rexall Drug and Chemical Company. Solvent recovery method.

94460. Rexall Drug and Chemical Company. Process for preparing block polymers from alpha-olefins.

94461. Rexall Drug and Chemical Company. Polyethylene process.

94462. Rexall Drug and Chemical Company. Process for copolymerizing ethylene.

94463. Rexall Drug and Chemical Company. Process for polymerizing ethylene.

94464. Rubery, Owen and Company Limited. Improvements to power couplings. (10th July 1963).

94465. Vereinigte Österreichische Eisen- Und Stahlwerke Aktiengesellschaft. Transporting and lifting car for refining vessels.

94466. Vereinigte Österreichische Eisen- Und Stahlwerke Aktiengesellschaft. Releasable bearing for crucibles or converters.

29th June 1964

94467. The Director, Indian Institute of Technology, Bombay, and S. K. Raman, Utilisation of aqueous impure solutions of hydrochloric acid obtained during processes of purification of common salt containing sodium chloride by leaching with hydrochloric acid or during processes of precipitation of sodium chloride from brines for purpose of treatment of any phosphorus bearing mineral or slag or ore or any compound of phosphorus with a view to obtain an acidic slurry containing phosphorus dissolved in it.

94468. National Distillers and Chemical Corporation. Alfin catalysts and use thereof in polymerization.
94469. W. R. Brooksbank. Improvements in shuttle boxes for looms for weaving.
94470. Sperry Rand Corporation. Fluid sorter.
94471. Sperry Rand Corporation. Mechanism for providing a precise reduction ratio in photographic copiers.
94472. Sperry Rand Corporation. Fluid pulse former.
94473. The Goodyear Tire & Rubber Company. Improvements in coating material.
94474. Universal Oil Products Company. Multiple-stage evaporation process.
94475. Gadelius & Co. AB. Earth closet.
94476. J. R. Geigy A. G. Pesticidal compositions. [Divisional date 22nd March 1963].
94477. Standard Telephones and Cables Limited. Fuse of special design.
94478. Swiss Aluminium Ltd. Improvements relating to the production of aluminium. [Addition to No. 79526].
94479. Textilipari Kutato Intezet. Treatment of textiles.
94480. Chemische Fabrik Pforsee G.m.b.H. Siloxane condensation compounds.
94481. Merck & Co., Inc. Apparatus for production of virus in eggs.
94482. Arun Bose. Improvements in or relating to safety devices against pickpockets.

30th June 1964

94483. Miles Laboratories, Inc. Improvement in blood glucose testing system.
94484. Rohm & Haas Company. Elastic yarn.
94485. Compagnie Francaise Thomson-Houston. Heat dissipating structure.
94486. The English Electric Company Limited. Improvements in or relating to dynamic braking of direct current electric motors.
94487. Stamicarbon N. V. Process and apparatus for determining the oxygen content of a gas.
94488. Auergesellschaft G.m.b.H. Apparatus for measuring the concentration of combustible gases and vapours in the air.
94489. W. H. Miner, Inc. Draft gear.
94490. Imperial Chemical Industries Limited. Heterocyclic compounds. (19th July 1963).
94491. Ciba Limited. Vat dyestuffs of the anthraquinone series and process for their manufacture.
94492. Sandoz Ltd. Improvements in or relating to organic compounds. (1st July 1963).
94493. Sandvikens Jernverks Aktiebolag. Hard metal alloy.
94494. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Novel derivatives of unsaturated aldehydes and process for the manufacture thereof.
94495. Union Carbide Corporation. High molecular weight halogenated thermoplastic polyhydroxyethers.
94496. Dow Corning Corporation. Method of rendering fibrous materials water repellent.
94497. Dow Corning Corporation. Energy absorbing devices.
94498. The International Nickel Company (Mond) Limited. Improvements in and relating to the coating of steels. (19th July 1963). [Addition to No. 94168].
94499. Merck & Co., Inc. Chemical processes. [Addition to No. 82142].
94500. Martin-Marietta Corporation. Hydraulic cement compositions.
94501. A. Racek. Improvements in or relating to fuel containers for gas-fuelled lighters.

94502. F. Hoffmann-La Roche & Co. Aktiengesellschaft. 19-alkyl steroids and process for the manufacture thereof.
94503. Eduard Kusters Maschinenfabrik. Roller for the pressure treatment of webs of material, such as paper and textile fabrics.
94504. Rhein Stahl Industrie-Planung G.m.b.H., Dr. H. Schenck and Dr. W. Wenzel. Improvements in or relating to the reduction of iron ores with liquid or gaseous carbons.
94505. Ciba Limited. Process for the manufacture of new pyridazines.
94506. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to methods of producing a material for the manufacture of ferromagnetic bodies.
94507. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to controlled rectifiers and methods of manufacturing same.

1st July 1964

94508. Bimal Kumar Ghosh. Latest improved bobbins for jute and textile mills.
94509. J. R. Geigy A.G. Process for the production of pure dyestuffs of the dioxazine series.
94510. British Nylon Spinners Limited. Improvements in or relating to stuffer-box crimpers. (6th July 1963).
94511. Dunlop Semtex Limited. Improvements relating to thermoplastic material. (30th July 1963).
94512. Indian Oxygen Limited. Method of and apparatus for refining molten ferrous metal. (2nd July 1963).
94513. Triatex AG. Process for improving and finishing cellulose textile materials and improved textile materials manufacture in accordance with the aforesaid process.
94514. Ethicon, Inc. Surgical package.
94515. Kurashiki Rayon Company Limited. Process for the manufacture of rayon staple having high wet-modulus.
94516. Libbey-Owens-Ford Glass Company. Glass sheet bending apparatus.
94517. SKF Kugellagerfabriken Gesellschaft mit beschränkter Haftung. Improvements in or relating to band drives.
94518. VEB Fotochemische Werke Berlin. Improvements in photographic films protected against static electricity.
94519. Deutsche Star Kugelhalter G.m.b.H. Element for mutual connection of two objects that wholly or partly penetrate each other.
94520. VEB Elektro Apparate-Werke Berlin-Treptow. Plastic material on the basis of hard polyethylene for fine-mechanical pivot bearings.
94521. Artos Maschinenbau Dr. Ing. Meier-Windhorst. Drive of treating plants for travelling lengths of material.
94522. Vyzkumny Ustav Matematickych Stroju. Device for continuous digital incremental control of the relative position of moving parts, ordered by a control system.
94523. N. P. Industries. A product.
94524. T. V. Cherian, D. D. Bhuptani and S. N. Sinha. Modified sintering process for improvement of strength.
94525. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Substituted acid amides and process for the manufacture thereof.
94526. Caroni Limited. Plant growth medium. (2nd July 1963).
94527. Standard Telephones and Cables Limited. Winding apparatus. (5th September 1963).
94528. Societe D'Electro-Chimie, D'Electro-Metallurgie Et Des Acieries Electriques D'Ugine. Improvements in or relating to the processes for the obtention of hydrofluoric acid. (30th January 1964).

94529. Ciba of India Limited. Manufacture of new thiosemicarbazones.
94530. Toyoda Automatic Loom Works, Limited. Apparatus for loosening and leading out the yarn ends of the cops for use in a cop-change automatic loom.
94531. Etablissements Merlin & Gerin, Societe Anonyme. Energy storing control device for electric circuit breakers.

2nd July 1964

94532. G. D. Searle & Co. Hydrazones of 1-amino-4-(xanthenyl and thioxanthenyl)-piperazines.
94533. Ciba Limited. Process for the manufacture of new urethanes.
94534. K. Nimtz. A double twist spindle.
94535. M & T chemical Inc. Plating process and composition.
94536. Ford Motor Company of Canada, Limited. Improvements in or relating to an alternator.
94537. Indian Oxygen Limited. Fluid pressure regulator. (14th August 1963).

3rd July 1964

94538. L. D. Monte and L. Miglietti. A method and device for weaving with a false shuttle. (23rd December 1963).
94539. Dow Corning Corporation. Organosilicon-poly-sulphide rubbers.
94540. Parke, Davis & Company. Process for production of novel quaternary ammonium salt.
94541. J. R. Geigy A. G. Process for the production of new thiepin derivatives.
94542. International Business Machines Corporation. Printed circuit card connector.
94543. International Business Machines Corporation. Compatible packaging of miniaturized circuit modules.

#### Alteration of date

93477. Ante-dated to 6th November 1962 under Section 5 of the Act.
94053. Ante-dated to 22nd October 1962 under Section 5 of the Act.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of this Gazette of India give Notice to the Patents Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933 of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8, Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

84385. J. S. Jhaveri. Improvements in or relating to ding dong instruments bells or like sound. Accepted on 1st July 1964.

*Comprises spring actuated lever to bias the plate member of overcentric mechanism one or the other upon operating of push button.*

84406. Sandoz Patents Limited. New heterocyclic compounds and process for the preparation thereof. (2nd October 1961). Accepted on 1st July 1964.

*By decarboxylating an indole-2-carboxylic acid.*

84471. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. Fungicidal compositions having anti-oidium activity, on the basis of beta-amino-aryl ethyl ketones. [Addition to No. 76332]. Accepted on 3rd July 1964.

*Comprises one picrate of a beta-amino-arylethyl ketone in admixture with a diluent or carrier.*

84998. Eastman Kodak Company. Polymers, method of making them and articles made therefrom. Accepted on 27th June 1964.

*Comprises initially polymerizing  $\alpha$ -mono-olefin to obtain a preformed polymer, polymerizing the other  $\alpha$ -mono-olefin in the said preformed polymer, the polymerization being carried out at a temperature between 130°-300°C, a pressure from 1 to 2,000 atms. and in presence of a catalyst.*

85157. A. Redniss. Continuous process for producing hydrogen halides and apparatus for carrying out the same. Accepted on 29th June 1964.

*Characterized by continuously feeding equivalent amounts of solid halide reactant and concentrated acid reactant into a heated, elongated, stationary reactor.*

85359. Chemische Werke Witten Gesellschaft Mit Beschränkter Haftung. Process for the production of semiester chlorides of benzenedicarboxylic acids. [Addition to No. 78497]. Accepted on 1st July 1964.

*Wherein the reaction of the corresponding trichloromethyl benzoic acid esters with mono-, di- or trichloro acetic acid is carried out in the presence of co-ordinatively unsaturated inorganic polyhalogen compounds.*

85545. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Pesticides having acaricidal and ovicidal properties. Accepted on 27th June 1964.

*Containing a suspendable combination of dimethylacrylate of 4, 6-dinitro-2 sec. butylphenol and N-monoisfluoracetyl-N'-phenylurea and a diluent or carrier.*

85873. Standard Telephones and Cables Limited. Improvements in or relating to dry rectifier assemblies. (19th March 1962). [Addition to No. 67390]. Accepted on 2nd July 1964.

*Has flexible plastic envelope surrounding the assembly and sealing it but bearing lead-out wires exposed.*

85875. General Electric Company. Improvements in or relating to fluorescent panel lamp faceplate. Accepted on 2nd July 1964.

*Discharge path between electrodes is longer than their linear distance and provides areas of different brightness throughout face plate and therein opaque means are provided on said face plate to camouflage irregularities in the light pattern.*

85888. Didier-Werke A. G. Process for production of sintered magnesia. Accepted on 2nd July 1964.

*Coating caustic MgO particles with anhydrous organic liquid insoluble in water prior to compacting and sintering.*

85889. Didier-Werke A. G. Refractory suspension brick for arched suspended roofs and suspended arches of industrial furnaces. Accepted on 2nd July 1964.

*Wherein engagement eye of suspension iron is a curved slot.*

85892. Regnilk S. A. Societe D'Entreprises Financieres & Commerciales. Improvements in conveyor apparatus for the evacuation of fine-grained or pulverized materials from containers, by means of compressed air. Accepted on 2nd July 1964.

*Characterised in that the air-permeable container base has a downwardly directed dished form and the diameter of the open base end of the conveyor nozzle is about one-third the diameter of the container base.*

85895. H. S. Gandhi, H. S. Gandhi and K. S. Gandhi. Hydraulic variable speed torque transmission device. Accepted on 2nd July 1964.  
*Comprising an outer casing, an input shaft connected to a hydraulic pump within the casing, pump comprising a number of radially arranged spring loaded pistons or plungers for pumping oil, a slide ring control device around the piston for changing the stroke length of the pistons by causing the ring to be eccentric in relation to the input shaft, a hydraulic motor also within the casing, and connected to the output shaft.*
85909. N. V. Philips Gloeilampenfabrieken. Composition containing new biocidal bis (dimethylamido) phosphory-amino-triazole-1, 2, 4-derivatives. Accepted on 3rd July 1964.  
*Comprising 0.01 to 50% of Bis (dimethylamido) phosphoryl-amino-triazole 1, 2, 4-derivative in admixture with a carrier.*
85915. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to electrically conductive vitreous materials. Accepted on 29th June 1964.  
*Characterized in that a mixture of the relevant oxides or compounds is melted in a weakly reducing to weakly oxidizing atmosphere at a temperature from 1000°C to 1650°C.*
85945. V. R. Koppikar and S. V. Koppikar. A new one-bath method of producing dyed shades of mineral khaki, olive-green, brown or other mineral colours on cellulosic materials. Accepted on 3rd July 1964.  
*Comprises contacting the cellulosic textile materials with an aqueous mixture containing salts of Cr, Fe and Mn either singly or mixture together with caustic soda and one or more hydrotropic chemical compounds.*
85955. Didier-Werke A. G. Fire proof suspension brick. Accepted on 3rd July 1964.  
*A part of the suspension element jutting above the brick head surface extending into the brick and is disposed parallel to the outside surface of the adjoining brick of the said element and is then bent downwardly at an angle.*
85962. Farrel Corporation. Continuous internal stiff-gel mixer. Accepted on 30th June 1964.  
*Barrel forming two laterally interconnecting substantially cylindrical and mutually parallel chambers having at one end a common discharge orifice, bladed rotors located in said chambers, means for receiving the material to be mixed and stuffing it under pressure into said chambers and means for rotating said rotors.*
86059. V. P. Mathur. Improvements in and relating to file clips. Accepted on 3rd July 1964.  
*Comprises a base plate or plates and flexible loop elements anchored thereto, each of said loop elements anchored thereto, each of said detachably connected to each other and top plate engaging the said loops.*
86070. Tootal Broadhurst Lee Company Limited. Improvements in and relating to the treatment of polymeric materials. (19th January 1962). Accepted on 1st July 1964.  
*Process comprises treating with an alkali or potential alkali the polymer product formed by the reaction, in the presence of an alkaline or potentially alkaline catalyst, between a polymeric material containing at least one reactive OH or > NH or -SH group in each molecule of the material and a sulphonium salt which liberates the sulphonium cation with two free valencies.*
86087. Continental Can Company Inc. Improvements in and relating to closure caps. Accepted on 27th June 1964.  
*Comprising a cover having a peripheral skirt and a central wall portion and carrying a linear of elastic material, the liner having at least two concentric ribs for compression against the lip of a container.*
86101. Societe De Prospection Electrique Schlumberger. Capacitory collector for measuring the dielectric constant of mixtures. Accepted on 29th June 1964.  
*Comprising two electrodes connected respectively with two electric leads and separated from each other by an inter-electrode space, one of the electrodes is covered with an insulating coat, of which the thickness is of a magnitude comparable with the actual breadth of the inter-electrode space.*
86119. Shell Internationale Research Maatschappij N. V. A process for treating stable aqueous dispersions of organic macromolecular substances. Accepted on 3rd July 1964.  
*Mixing aqueous dispersions of one or more solid organic macromolecular substances with a component as defined in the specifications.*
86136. Sperry Rand Corporation. Fluid clock pulse generator. Accepted on 27th June 1964.  
*Characterized in that the feedback path is in connection with a source of pressure to produce in it a quiescent pressure which controls the tune, a feedback signal requires to become effective to switch the fluid stream from one output channel into the other.*
86137. Sperry Rand Corporation. Transducer for converting energy into a mechanical movement. Accepted on 2nd July 1964.  
*Including a normally bistable fluid pressure device, being actuated in response to said energy from one state to another state.*
86175. Sperry Rand Corporation. Arrangement for correcting non-alignment of a sensing head. Accepted on 1st July 1964.  
*Characterized by means of recording a plurality of permanent signal sequences, means for sensing and means for adjusting the sensing head.*
86208. V. P. Jalihal. Ground nut cracker for seeds. Accepted on 30th June 1964.  
*Circular rotor divided into eight equal parts; the centre of the said rotor having a boss having eight equal ribs of equal length or height, the top of the said ribs being joined with the adjacent rib below a certain height.*
86349. Fichtel & Sachs A. G. Improvements in or relating to multi-speed transmission hubs. Accepted on 1st July 1964.  
*Comprises a stop body moved during back-peddalling and a stationary counterstop co-operating with this; wherein the stationary counterstop is held fast by an overload connecting arrangement in respect of hub parts fixed in position.*
86377. Lansing Bagnall Limited. Improvements in or relating to industrial trucks. (7th February 1962). Accepted on 27th June 1964.  
*A ground wheel on the sub-chassis to effect the steering, a motor on the sub-chassis, drive connections from the motor to the ground wheel.*
86434. Sperry Rand Corporation. Fluid clock pulse generators. [Addition to No. 86136]. Accepted on 27th June 1964.  
*Characterized in that at least one output channel is divided into at least two branches, one branch being connected to the feed back path the other branch constituting an output path for a fluid signal.*
86436. Dunfix Etablissement. Process and apparatus for the manufacture of compost. Accepted on 1st July 1964.  
*Charging the container with a mass of organic waste products, passing warm moist air into the container to permeate and aerate the surface zone.*

86437. Select Enterprises, Inc. Scrap metal breaker. Accepted on 1st July 1964.

*Comprises a frame holding vertical guide channels, a cylindrical dropping bar, a gear track, a prime mover and operating means to move gear into and out of engagement with said rack.*

86453. P. K. Kulkarni. Improvements in or relating to flap unit used in foot-valve for pumps. Accepted on 27th June 1964.

*Flap with a narrow projecting ring below and a plate with a recess on the top, the flap mounted upon the plate so that the projecting ring presses on the recess in closed position of foot-valve.*

86476. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to arrangements for the stereophonic reproduction of signals. Accepted on 1st July 1964.

*The sum signal and difference signal, which modulates the sub-carrier frequency, together with sub-carrier oscillation locally produced, are applied to junction of two amplitude demodulation devices, each of the output circuits of the latter connected to input of one of the separate channels, while the demodulation devices are shunted by rectifiers acting as electronic switch.*

86567. Imperial Chemical Industries Limited. The production of pigmented polyurethane coating compositions. (26th February 1962). Accepted on 1st July 1964.

*A pigment with a compound having at least one isocyanate group attached to a phosphorous atom is blended with an isocyanate group containing urethane prepolymer.*

86578. Standard Telephones and Cables Limited. Simplified electric translator. Accepted on 1st July 1964.

*Digits of first number received after a cancellation are stored in transfer memories and same process is repeated until the translation is completed.*

86609. Shell Internationale Research Maatschappij N. V. Novel insecticidal dialkyl polyhalo- $\alpha$ -(halo-methylene) benzyl phosphates. Accepted on 3rd July 1964.

*Comprises a dialkyl polyhalo- $\alpha$ -(halomethylene) benzyl phosphate together with a carrier, a surface-active agent.*

86656. Phillips Petroleum Company. Production of carbon black. Accepted on 2nd July 1964.

*A heavy residual hydrocarbon oil is axially introduced into a precombustion zone and then into a combustion zone to convert into hot combustion gases and then these gases are axially introduced into a reaction zone.*

86676. British Nylon Spinners Limited. Continuous process for the manufacture of filaments, films, ribbons and like shaped objects by polymerisation of a monomer. (27th March 1962). [Addition to No. 80587]. Accepted on 1st July 1964.

*Comprising introducing a plurality of aqueous solution of the monomer of different concentration into a long narrow tube, heated to polymerization temperature and then melt spun by known methods.*

86678. Elektrokemisk A/S. Improvements in or relating to method of lowering and raising electrodes in electric smelting furnaces. Accepted on 1st July 1964.

*Cam means is actuated by a combination of hydraulic and pneumatic pressure in a pressure system which employs compressed air as an air cushion to support the electrode during its descent.*

86717. Ruti Machinery Works Ltd. formerly Caspar Honegger. Drive mechanism arranged on an automatic loom for the stripper for the end winding of a weft-bobbin to be inserted into the shuttle. Accepted on 29th June 1964.

*Includes an entrainment member, stop means in the path of movement of entrainment member for engagement by it to displace the stripper over the bobbin tip.*

86719. Indirabai Govind Chitnis. Improvements in or relating to storage racks or like containers. Accepted on 27th June 1964.

*Consisting of a plate secured at its corners to the inside middle portions of separate angular members, and separate legs secured to said plate and the flanges of the angular members, the said legs having at their lower ends hollow tapering caps.*

86731. Imperial Chemical Industries Limited. A new and improved process for the manufacture of anthraquinone compounds suitable for use as dyestuffs and dyestuff intermediates. (5th March 1962). Accepted on 1st July 1964.

*A process for the manufacture of anthraquinone dyestuffs by contacting together, in aqueous medium, an anthraquinone compound and a diamine compound.*

86785. Columbian Carbon Company. Carbon black. Accepted on 1st July 1964.

*Producing a long flow, high colour carbon black by intimately contacting an ozone-containing gas-stream with a low structure oil furnace black.*

86810. Fisons Fertilizers Limited. Process for ammoniating acids ammonium salts thus prepared and fertilizer materials containing the said salts. (15th March 1962). Accepted on 1st July 1964.

*A process for ammoniating at least one acid selected from the group consisting of nitric acid, phosphoric acid and sulphuric acid.*

86920. Halcon International, Inc., formerly known as Scientific Design Company, Inc. Method and apparatus for polymerization of ethylene. Accepted on 27th June 1964.

*Comprises adjusting the length of time of steady stated reactor operation according to the degree of fouling factor since the previous pulse so that if said factor for the previous pulse is smaller than a predecessor thereof using a clean reactor the time before the next pulse is made shorter, and vice versa.*

86945. Institut De Recherches De La Siderurgie Française. In the process of refining pig iron, a method of regulating the draught in an installation for collecting without combustion the gases resulting from the air blast refining of pig-iron. Accepted on 2nd July 1964.

*Calculating the pressure at the bottom of the hood from an effective pressure measured at some higher level in the hood and the rate of flow of the gases circulating in the hood.*

86986. International Business Machines Corporation. A printer for printing symbols. Accepted on 27th June 1964.

*Comprising a plurality of type pieces mounted on an element movable repeatedly past a plurality of print positions over a print medium, one type piece being provided for each character, storage means having a plurality of storage positions.*

86995. Polymer Corporation Limited. Butyl rubber-polyethylene compositions. (14th April 1962). Accepted on 3rd July 1964.

*Mixing a rubbery copolymer of isobutylene and at least one  $C_3$ - $C_4$  diolefinic hydrocarbon with a solid polyethylene and 0.1-10 parts by weight of an organic peroxide to obtain a blend and masticating the blend at high temperature.*

87000. Cochran and Company, Annan. Limited. Boilers and water heaters. Accepted on 1st July 1964.

*Heat insulating lagging surrounding the shell, an outer casing surrounding and spaced from the lagging, one or more air inlets, constituting the means for admission of air to the space between the shell and the lagging at the rear end of outer casing.*

87156. Pilkington Brothers Limited. Improvements in or relating to methods and apparatus for producing toughened glass. (28th March 1962). Accepted on 27th June, 1964.

*Retarding the cooling of the central portion by directing on to the sheet of glass radiation of a wave length to which the glass is partially transparent.*

87288. E. K. Cole Limited. Improvements in or relating to radio receivers or the like. (5th April 1962). Accepted on 1st July 1964.

*Having a switch for conditioning the receiver for battery or mains operation, the movable element of which having a plate which when in the battery position extends over the receiver mains plug or socket and which may be moved to permit the plug and socket to be connected with the mains.*

87344. Shell Internationale Research Maatschappij N. V. Process for the hydrogenative cracking of hydrocarbon oils and process for the preparation of catalysts suitable for carrying out the former process. Accepted on 31st July 1964.

*Hydrogenative cracking of a hydrocarbon oil is effected with a catalyst comprising one or more metals of the platinum and/or palladium group associated with an acidacting support which may be refractory oxides.*

87372. C. A. V. Limited. Liquid fuel injection pumps. (16th April 1962). Accepted on 27th June 1964.

*Axially disposed cylindrical chamber in the end of the distributor, cylindrical valve member in the chamber, a rod connector to the valve member and a series of angularly spaced swirl passages in the distributor.*

87698. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. Stabilized compositions on the basis of polyoxymethylene. Accepted on 3rd July 1964.

*Consists of a high molecular weight solid polymer or copolymer with—CH<sub>2</sub>O—units recurring and 0.001 to 15% by weight of a stabiliser compound of the formula NH<sub>2</sub>—CO—NH—COOR where R is alkyl or aryl, free or substituted.*

87708. Union Carbide Corporation. Heat insulation construction. Accepted on 3rd July 1964.

*Comprises a conduit extending from the cold wall to the hot wall for the passage of a heat-absorbing fluid through insulation layers and a heat conductive material shield means disposed between the walls.*

87727. John Ackworth Limited. Improvements relating to indexing devices for machine tools. (2nd May 1962). Accepted on 29th June 1964.

*Releasable locking means arranged to locate positively the rotary work-table in each predetermined angular position and associated release mechanism including cam means also actuated from the rotary shaft.*

87757. Imperial Chemical Industries Limited. Phthalocyanine dyestuffs. (15th May 1962). Accepted on 2nd July 1964.

*Reacting a phthalocyanine compound with a substituted hydrazine.*

87857. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Process for the manufacture of spirilloxanthin. (14th August 1962). Accepted on 1st July 1964.

*A process for the manufacture of spirilloxanthin comprises reacting a phosphorous halide with crocetin dialdehyde, treating the*

*resulting product with N-bromosuccinimide and a dehydrobrominating agent.*

87897. Badische Anilin & Soda-Fabrik Aktiengesellschaft. Production of adiponitrile. Accepted on 2nd July 1964.

*Adipic acid in a solid free-flowing powder is entrained in a current of ammonia at a temperature below 50°C in a fluidised bed of a catalyst.*

87920. Craven Textile Patents Limited. Improvements in or relating to brakes for warp let-off motions. (14th May 1962). Accepted on 27th June 1964.

*Comprises arcuate band sections one of which is fixed to a loom and another has abutment means for a loading member adapted to press said abutment means towards the fixed section.*

87981. Sperry Rand Corporation. Disposition of nickel-cobalt alloy on aluminium substrates. Accepted on 1st July 1964.

*The zinc coated aluminium substrate is placed as an aqueous nickel-cobalt containing solution which dissolves the zinc layer and deposition nicked-cobalt alloy as the substrate.*

87990. Minerals & Chemicals Philipp Corporation. Improved froth flotation method. Accepted on 2nd July 1964.

*By forming an aqueous pulp of finely divided multicomponent mineral mass and subjecting this pulp to froth flotation.*

88062. Sumitomo Metal Industries Ltd. Air spring. (2nd January 1963). Accepted on 1st July 1964.

*An inner cylinder, an outer cylinder and a flexible circumferential member situated between said two cylinders, one end of said member being secured gas tightly to the outer side of said inner cylinder and the other end to the inner side of said outer cylinder the space defined by said member being filled with a pressurised gas.*

88067. Montecatini Societa Generale Per L'Industria Mineraria E Chimica. Olefin copolymers and process for preparing them. Accepted on 1st July 1964.

*A process for preparing the substantially amorphous copolymers containing monomeric units deriving from ethylene a cycloolefin containing from 4 to 8 carbon atoms in the ring and at least one alpha olefin*

88102. N. V. Philips Gloeilampenfabrieken. Improvements in or relating to recording and/or playback apparatus for tape-shaped record carriers with various operating conditions. Accepted on 1st July 1964.

*Having a common intermediate member operable by energy source and the intermediate member and components parts to be displaced or the intermediate member and transmission members of such component parts are brought into a position by relative movement in which the intermediate member transmits force supplied by energy source to component parts to be displaced.*

88114. Rolls-Royce Limited. Gas turbine engine (10th May 1963). Accepted on 1st July 1964.

*Gas turbine engine having an axial flow compressor comprising at least one row of rotatable stator blades, a row of rotor blades mounted immediately adjacent to the or each row of rotatable stator blades and a driven part requiring torque to drive it and which is drivingly connected to the rotatable stator blades.*

88208. Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of suspension polymers. Accepted on 3rd July 1964.

*In the suspension polymerisation of styrene in the presence of a catalyst, the pressure in the polymerisation vessel is increased by at least one-fifth of the original pressure by forcing an inert gas into the vessel.*

88419. Farbenfabriken Bayer Aktiengesellschaft. Process for the production of substituted 1, 4-dichloro anthraquinones. (22nd March 1963). Accepted on 2nd July 1964.

*An anthraquinone derivative is chlorinated in sulphuric acid or in chlorosulphonic acid in the presence of a halogenation catalyst.*

88566. Ciba Limited. Water-insoluble disazo dyestuffs and process for their manufacture. Accepted on 2nd July 1964.

*An amino azo compound of the formula  $A-N=N-B-NH_2$  wherein A and B each is an aromatic residue and B contains a nitro group in ortho position to the amino group is diazotised and coupled with a compound containing at least one enolisable keto group.*

88640. International Business Machines Corporation. Print impression control mechanism. Accepted on 2nd July 1964.

*Wherein a printing element having a multiplicity of print characters thereon is positionable to select a character to be printed during a print cycle by actuation of a selected key.*

88641. Union Carbide Corporation. Thermal insulation construction. Accepted on 1st July 1964.

*A thermal insulation construction including a plurality of precompacted low-conductive paper layers in an evacuable space, said paper comprising fibers having a diameter of less than 20 microns and oriented in a direction substantially perpendicular to the direction of heat inleak across the evacuable space.*

88686. Imperial Chemical Industries Limited. Improvements in high pressure pumps or compressors. (6th July 1962). Accepted on 1st July 1964.

*Wherein a space is provided which surrounds at least the valve head and is adapted to be filled with a fluid under pressure.*

88706. Molins Machine Company Limited. Improvements in or relating to manufacture of cigarettes. (11th July 1962). Accepted on 29th June 1964.

*Apparatus comprising folding means an ultrasonic vibratory device and a member so positioned that the vibratory device can weld the overlapping wrapper portions together against the said member.*

88789. Ciba Limited. New vat dyestuffs, process for their manufacture and cellulosic textile materials dyed and printed therewith. Accepted on 3rd July 1964.

*A vat dyestuff having at least on 6-membered diazine ring with two halogen atoms and no carbamide group and with at least 2 anthraquinone residues is treated with a sulfonating agent.*

88828. Texaco Development Corporation. Generation of gaseous mixtures of carbon monoxide and hydrogen. Accepted on 2nd July 1964.

*Introducing a dispersion of carbon-liquid hydrocarbon in steam into a reaction zone into admixture with oxygen containing gas.*

88890. Brown, Boveri & Company Limited. Arrangement with a fuel element which exhibits gas diffusion electrodes. Accepted on 1st July 1964.

*Arrangement with a fuel element exhibits gas diffusion electrodes disposed in pairs and acting as anode and as cathode and in contact with an electrolyte for the electrochemical reaction of hydrogen and oxygen or air.*

88902. Institut Francais Du Petrole, Des Carburants Et Lubrifiants. Process for the conversion of hydrocarbons. Accepted on 1st July 1964.

*Contacting the vaporised hydrocarbons with hydrogen at 300 to 500°C at 15-25 atm. in the presence of a catalyst comprising a carrier and a metal of the platinum group treated with boron fluoride.*

88903. Institut Francais Du Petrole, Des Carburants Et Lubrifiants. Process for the hydrogenating cracking of hydrocarbons over a catalyst having a platinum base. Accepted on 1st July 1964.

*Contacting the vaporised hydrocarbons with hydrogen and fluorine in the presence of a catalyst comprising one metallic hydrogenating element and a cracking carrier.*

88959. Himansu Rai Chaudhury. Differential and integrating liquid flow meters. Accepted on 29th June 1964.

*Comprising a float working within a tube connected to the liquid tank, a float pulley and a gear pulley mounted on a hollow shaft operated by float-movement, and also a clock-mechanism.*

89055. Brelic International Inc. Improvements in weft thread cutting devices for shuttleless looms and the like. Accepted on 30th June 1964.

*Causing the protruding ends to pass between a hard surface and a non-cutting edge of small width pressed against the said surface with a sufficient pressure to crush said ends.*

89140. Worthington Corporation. Refrigeration apparatus. Accepted on 30th June 1964.

*Comprises a vacuum absorption machine which employs as the circulating absorbent a brine solution consisting of a hydrophilic salt in water.*

89976. Sulzer Brothers Limited. Process for heating salt water. Accepted on 1st July 1964.

*Comprises passing salt water along one side of a wall and passing along the other side hot gases whose temperature is much higher than the boiling point of water.*

93477. Eastman Kodak Company. Polymers, methods of making them and articles made therefrom. [Divisional date 6th November 1962]. Accepted on 27th June 1964.

*The article is made by thermally shaping the solid crystalline polymer in which the polymer chains comprise joined segments of homopolymerized propylene and homopolymerized ethylene.*

94053. Cardwell Westinghouse Company. Hydraulic cushioning element for draft gears. [Divisional date 22nd October 1962]. Accepted on 2nd July 1964.

*A shiftable metering pin is disposed in the passage and having a free end at the flow restricting orifice and exposed directly to pressure conditions in the high pressure chamber.*

#### Printed Specification Published

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

76339.	80326.	80611.	80634.	80652.	80981.	81036.
81676.	81842.	81999.	82010.	82014.	82015.	82021.
82032.	82036.	82063.	82081.	82083.	82093.	82104.
82134.	82141.	82150.	82165.	82179.	82183.	82207.
82213.	82240.	82247.	82253.	82300.	82304.	82308.
82320.	82326.	82336.	82338.	82347.	82367.	82382.
82415.	82450.	82487.	82514.	82536.	82547.	82564.
82565.	82606.	82620.	82624.	82625.	82703.	82806.
82852.	82882.	82921.	82935.	82958.	83014.	83048.
83302.	83387.	83396.	83604.	83624.	83679.	83750.
84102.	84143.	84174.	84318.	84344.	84576.	84616.
84744.	85072.	85166.	85341.	85548.	85847.	85848.
90665.						

#### Patents Sealed

79336.	80671.	80673.	81036.	81060.	81227.	81277.
81337.	81355.	81366.	81645.	81668.	82019.	82165.
82177.	82246.	82272.	82284.	82288.	82303.	82376.
82404.	82407.	82454.	82461.	82470.	82510.	82515.
82516.	82518.	82527.	82538.	82545.	82559.	82575.



82577.	82606.	82628.	82640.	82655.	82663.	82690.
82691.	82703.	82722.	82733.	82800.	82833.	82857.
82917.	82955.	82958.	82976.	83005.	83045.	83154.
83155.	83161.	83387.	83395.	83415.	83423.	83424.
83495.	83506.	83510.	83522.	83544.	83600.	83609.
83624.	83679.	83757.	83837.	83851.	83865.	84174.
84249.	84359.	84621.	84650.	84772.	84899.	84985.
85166.	85227.	85285.	85309.	85341.	85357.	85435.
85597.	85611.	85725.	86120.	86243.	86299.	86344.
89584.	89585.	90477.	90478.			

**Appeal Proceedings****(SECTION 5)**

An appeal to the Central Government has been filed by The Carborundum Company, under Section 5 of the Indian Patents and Designs Act, 1911 in respect of Patent Application No. 87282.

**Amendment Proceedings****(1)**

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Montecatini Societa Generale Per L'Industria Mineraria E Chimica, of 1-2, Largo Guido Donegani, Milan, Italy, an Italian Company, seek leave to amend the description and claims in the specification in respect of Patent No. 81304. Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

**(2)**

The amendments proposed by Phillips Petroleum Company in respect of application for Patent No. 79175 as advertised in the Gazette of India, Part III, Section 2, dated the 21st March 1964, have been allowed.

**(3)**

The amendment proposed by Paul S. Van Baarn in respect of application for Patent No. 83044 as advertised in the Gazette of India, Part III, Section 2, dated the 28th March 1964, has been allowed.

**(4)**

The amendment proposed by Carding Specialists (Canada) Limited in respect of patent application No. 83351 as advertised in the Gazette of India, Part III, Section 2, dated the 28th March 1964, has been allowed.

**Renewal Fees Paid**

41650.	41787.	43501.	43550.	43665.	43892.	44174.
44341.	45516.	45605.	45632.	45780.	45820.	47753.
47754.	47755.	47756.	48030.	48106.	48880.	49985.
50024.	50031.	50215.	50305.	50344.	50679.	50799.
50834.	50835.	50836.	50837.	50838.	52277.	52290.
52330.	52539.	52565.	52595.	52603.	52660.	52697.
52774.	52797.	52956.	53238.	54993.	55006.	55070.
55282.	55311.	55408.	55445.	55446.	55447.	55495.
55572.	55722.	55723.	55724.	55837.	56190.	56664.
56994.	57207.	57232.	57551.	57704.	57728.	57754.
57775.	57815.	57839.	57844.	57848.	57853.	57854.
57861.	57893.	57894.	58001.	58005.	58053.	58121.
58158.	58190.	58251.	58373.	58458.	58485.	58486.
58783.	59443.	60007.	60365.	60859.	60973.	60996.
61018.	61028.	61042.	61084.	61125.	61209.	61210.
61305.	61370.	61476.	61506.	61646.	61671.	61714.
61870.	61872.	62284.	62995.	63667.	63854.	63855.
64585.	64656.	64658.	64684.	64693.	64713.	64738.
64785.	64799.	64824.	64846.	64847.	64853.	64934.
65065.	65076.	65140.	65267.	65390.	65392.	65411.
65412.	65477.	67198.	67627.	67752.	67925.	68196.
68255.	68256.	68269.	68276.	68293.	68307.	68308.
68313.	68349.	68373.	68383.	68415.	68417.	68418.
68464.	68503.	68531.	68540.	68550.	68556.	68707.
68715.	68731.	68733.	68792.	68795.	68835.	68881.
68908.	68945.	68950.	69006.	69009.	69026.	69049.
69055.	69084.	69128.	69130.	69131.	69146.	69198.
69300.	69301.	69302.	69311.	69444.	69474.	69635.
69636.	69667.	69894.	70069.	71464.	72449.	72460.
72485.	72516.	72527.	72528.	72559.	72593.	72597.
72609.	72632.	72635.	72705.	72707.	72708.	72712.
72715.	72745.	72746.	72747.	72753.	72754.	72759.
72808.	72813.	72872.	72893.	72963.	72994.	73000.
73038.	73039.	73040.	73142.	73159.	73174.	73204.
73211.	73253.	73287.	73307.	73386.	73392.	73400.

73429.	73510.	73511.	73520.	73565.	73786.	73790.
74545.	74960.	76642.	77208.	77230.	77502.	77505.
77730.	77739.	78192.	81290.	83314.		

**Cessation of Patents**

41060.	41076.	44763.	44775.	46879.	46885.	48938.
48939.	49142.	49166.	51111.	51485.	53982.	53993.
53994.	54010.	54011.	56779.	56830.	63361.	63376.
63383.	63421.	66965.	66986.	67003.	67004.	67034.
67041.	67055.	71014.	71041.	71048.	71049.	71055.
71062.	71066.	71072.				

**Restoration Proceedings**

An order has been made on the 26th June 1964, restoring the Patent No. 61413, dated as of the 9th August 1957, granted to Dr. Ram Surat Dubey and another for "improvements in or relating to the refining of waxes".

**Registration of Designs**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including in the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. No. 121301. Mahinder Singh Ragbir Singh, a Registered Indian Partnership Firm, 55, Canning Street, Calcutta-1, West Bengal, "Toys", February 25, 1964.

Class 1. Nos. 122089 and 122090. Symington Wayne Corporation, a Corporation organized and existing under the laws of the State of Maryland, United States of America, 124/134, West College Avenue, Salisbury, Maryland, United States of America, "Gasoline dispenser", May 4, 1964.

Class 1. Nos. 122137 and 122138. Jagjit Singh, Striplex Industry, 33-Arakashan Road, Ram Nagar, New Delhi (India), (Indian), "An electric motor starter", May 12, 1964.

Class 3. No. 122125. Robbert Henry Abplanalp, a citizen of the United States of America, 10, Hewitt Avenue, Bronxville, Westchester County, New York, United States of America, "Dispenser cap for a pressurized can", May 11, 1964.

Class 3. No. 122129. Dunlop Rubber Company Limited, a British Company, Fort Dunlop, Erdington, Birmingham 24, England, "A tyre for a vehicle wheel", January 17, 1964 (United Kingdom).

Class 4. No. 121063. Bonny Products, 5602, Gandhi Market, Sadar Bazar, Delhi-6, Indian Partnership Concern, "Feeding bottle", February 7, 1964.

Class 4. No. 121150. Smith, Stanistreet & Co. Ltd., 18, Convent Road, Calcutta-14, West Bengal, India, an Indian Company, "A bottle", February 13, 1964.

Class 4. No. 121252. Colgate-Palmolive (India) Private Limited, a Company incorporated in India, Steelcrete House, 3, Dinshaw Vachha Road, Fort, Bombay 1-BR, State of Maharashtra, "Bottles", February 20, 1964.

Class 4. No. 121553. Fulchand Kanahiyalal & Co. Private Ltd., a Company incorporated in India, 12, India Exchange Place, Calcutta-1, State of West Bengal, India, "A bottle", March 10, 1964.

Class 5. No. 121405. Chawla Chemical Works, C/o. Shri Amar Nath, Gaya Prasad Lane, Kanpur (U.P.), India, Indian Sole Proprietary Concern, "Label", February 29, 1964.

Class 5. No. 122165. Agarwal Bidi Co., Gursahai Ganj Distt. Farukhabad (U.P.), India, Indian Partnership concern, "Label", May 14, 1964.

**Copyright Extended for a Third Period of Five Years**

Design No. 79870, Class 4.

Design No. 80404, Class 4.

A. JOGARAO

Controller General of Patents, Designs and Trade Marks